1	We claim:
2	1. A hardware database for implementing known database protocols
3	comprising:
4	a database stored in a memory;
5	a microprocessor operable to receive statements from a user, the statements in
6	a known database protocol format, operable to manipulate data in the database; and
7	a data flow engine in communication with the microprocessor and the
8	database and operable to receive the statements from the microprocessor and to
9	process the statements against the database.
1	2. The hardware database of Claim 1 wherein the dataflow engine further
2	comprises:
3	a parser receiving the standardized database statements and converting the
4	standardized database statements into executable instructions and data objects;
5	an execution tree processor connected to the parse and receiving the
6	executable instructions from the parser, the execution tree processor creating
7	execution trees from the executable instructions and schedules the execution trees for
8	execution; and
9	a graph engine connected to the execution tree processor, the graph engine
10	operable to manipulate the database as required by the executable instructions.

- 1 3. The hardware database of Claim 1 wherein the information in the database is represented in memory in the form of graphs.
- 1 4. The hardware database of Claim 1 wherein the hardware
 2 database is connected directly to a network using a network connection, and the
 3 microprocessor is operable to receive the statements from the users over the network
 4 connection.

- The hardware database of Claim 1 wherein the hardware database is connected to application servers, the applications servers providing the statement to the hardware database.
- 1 6. The hardware database of Claim 1 wherein the statements are
 2 Structured Query Language statements.
- 7. The hardware database of Claim 1 wherein the hardware database further includes a host microprocessor connected to the microprocessor.
- 1 8. The hardware database of Claim 1 wherein the manipulation of the 2 database by the statements includes reading information from the database, writing 3 information into the database and altering information in the database.
- 9. The hardware database management system of Claim 1 wherein the data flow engine may call routines from the microprocessor.